

[Translation]

Availability of Irrigation Water

1511. DR. SATYANARAYAN JATIA : Will the Minister of WATER RESOURCES be pleased to state :

(a) present position of the availability and utility of irrigation water in the country, State-wise;

(b) state-wise position of the irrigation/dam projects under consideration of the Government as on October, 1996 alongwith their irrigation capacities;

(c) time schedule fixed for completion of the Narmada Dam project in Madhya Pradesh and details of the year-wise progress made in its construction during the last three years alongwith the time by which the construction work is likely to be completed; and

(d) irrigation and power likely to be generated from this dam, phase-wise?

THE MINISTER OF WATER RESOURCES (SHRI JANESHWAR MISHRA) : (a) Out of a total available utilisable water of 1142 billion cubic metres in the country, the utilisation of water (surface and ground) for irrigation purposes (1994-95) is 501 billion cubic metres. Utilisable water has been assessed basin-wise and not State-wise.

(b) Statement - I is enclosed.

(c) The construction of Narmada Sagar Project in Madhya Pradesh is targetted to be completed by 2010 A.D. Statement - II showing the progress in construction of the project is enclosed.

(d) Irrigation Potential : 123 thousand hectares (36 thousand hectares by June, 2000 Balance by June, 2010)

Power generation : 1000 Mega watt (2 Units of 125 MW each by June, 2000 (6 Units of 125 MW each by June, 2005)

STATEMENT - I

S.No.	Name of the Project	Benefits in Thousand hectares	Status of Appraisal
1	2	3	4
Andhra Pradesh			
<i>Major</i>			
1.	Sriram Sagar Stage - II	253.40	B
2.	Mod. of Krishna Delta	375	B
3.	Bhima Lift Irrigation	83.78	B

1	2	3	4
4.	Pulichintala Multipurpose	575	B
5.	Flood Flow Canal from SRSP	102.0	B
6.	Chagalnadu Lift Irrigation Scheme	14.165	D
7.	Jurala Project	17.84	D
8.	Mod. of Kurnool-Cuddapah Canal Irrigation Project	1101.482	B
9.	Vamsadhara Project Major Phase-I of Stage-II	35.349	A
<i>Medium</i>			
10.	Peddaru Reservoir	6.46	B
11.	Palemvagu	6.23	B
Assam			
<i>Major</i>			
1.	Pagladiya Dam	54.16	B
2.	Mod. of Jamuna Irrigation	27.21	D
<i>Medium</i>			
3.	Burisuti Irrigation	11.50	D
4.	Garufella Irrigation	16.56	D
Bihar			
<i>Major</i>			
1.	Punpun Morhar Dardha Irrigation	57.88	D
2.	Sone Canal Mod. Project Phase-I	30.0	B
3.	Subernarekha Multipurpose Project	151.80	B
4.	Punassi Res. Project	20.8	A
<i>Medium</i>			
5.	Kundghat Reservoir	1.80	B
Gujarat			
<i>Major</i>			
1.	Mod. of Madhhu-I Irrigation	2.14	B
<i>Medium</i>			
2.	UND-II Irrigation Project	4.25	D
3.	GOMA Irrigation Project	7.00	C
4.	WALAN Irrigation Project	7.39	C
5.	Ozat-II Water Resources	7.97	D
6.	Restoration of Mitti Irrigation	2.03	D
7.	Mahupada Water Res. Project	2.34	D
8.	Vartu-II Irrigation	6.15	D
9.	Nanibarsan W.R. Project	3.76	D
10.	Bakrol W.R. Project	4.29	D

1	2	3	4
Haryana			
<i>Medium</i>			
1. Khetpurali Dam Project	3.335	A	
Himachal Pradesh			
<i>Major</i>			
1. Shah Nahar Irrigation	26.53	B	
2. Renuka Dam Project	.00	D	
Jammu and Kashmir			
<i>Major</i>			
1. Mod. of Ranbir Canal	38.80	D	
<i>Medium</i>			
1. Mod. of Dadi Canal	4.53	D	
2. Mod. of New Pratap Canal	1.01	D	
3. Mod. of Kathua Canal	1.94	D	
4. Mod. of Zaingir Canal	6.96	A	
5. Rafiabhad High Lift Irrigation	2.93	A	
6. Igo-phey Irrigation	4.86	D	
Karnataka			
<i>Major</i>			
1. Upper Tunga Project	94.70	D	
2. Upper Krishna Stage-II	241.76	D	
Kerala			
<i>Major</i>			
1. Idamalayar Irrigation Project	27.51	B	
2. Karapara-Kuriarkutty M.P.	39.61	D	
<i>Medium</i>			
3. Attapady Irrigation Project	8.39	C	
Madhya Pradesh			
<i>Major</i>			
1. Bansagar Unit-II (Canals)	249.36	B	
2. Mahanadi Reservoir	425.00	C	
3. Upper Narmada Project	18.61	D	
4. Sindh phase-II	162.10	B	
5. Bargi Multipurpose	219.80	B	
6. Kolar Project	60.87	B	
7. Thanwar Tank	18.21	B	
8. Pench Diversion	96.52	A	
9. Mahan	19.04	B	
10. Omkareshwar Multipurpose	283.32	B	
11. Rajghat Canal	121.15	B	
12. Mahanadi Res. Project	425.0	C	
<i>Medium</i>			
13. Sutlapat Tank	6.96	D	
14. Upper Beda	13.36	D	

1	2	3	4
15. Uribagh	6.43	D	
Maharashtra			
<i>Major</i>			
1. Dudhganga Irrigation	81.97	C	
2. Wana Irrigation	113.92	B	
3. Koyna Krishna Lift	85.78	B	
4. Wan Irrigation	19.18	B	
5. Arunavati River Project	25.15	B	
6. Sangola Branch Canal	9.22	B	
7. Tillari Irrigation	34.29	B	
8. Bawanthadi Irrigation	57.12	B	
9. Punadi Irrigation	10.83	B	
10. Lower Kunna Project	28.82	B	
11. Human River Project	38.28	D	
12. Tultuli Irrigation	30.59	D	
13. Talamba	28.05	D	
14. Pothra River Project	8.94	D	
15. Tillari Irrig. Project (Joint venture of Mah. & Goa)	34.29	B	
16. Sangola Branch Canal Project	9.221	B	
17. Talamba Irrig. Project	28.05	A	
<i>Medium</i>			
18. Sakol	2.06	A	
19. Raigavan	1.70	B	
20. Jangamhatti Lift	3.46	B	
21. Jam	6.75	B	
22. Morna Gurekhar	5.32	B	
23. Masalga	2.08	A	
24. Kar	5.20	B	
25. Hetwane	12.83	B	
26. Upper Manar	8.28	B	
27. Benetura	2.29	B	
28. Tajnapur Lift Irrigation	2.74	D	
29. Kordinala	2.61	D	
30. Dara	2.29	D	
31. Lower Panzara	6.19	D	
32. Nagan	2.49	D	
33. Brahamangaon Lift	3.21	D	
34. Chandrabhnga	8.14	A	
35. Pentakli Tank	9.51	A	
36. Purna	7.06	D	
37. Utawali	3.72	D	
Manipur			
<i>Major</i>			
1. Tipaimukh Dam	(1500 MW Power Benefit)	B	
<i>Medium</i>			
2. Jiri Irrigation	9.78	B	

1	2	3	4
Orissa			
<i>Major</i>			
1. Lower Indra Irrigation	38.87		D
2. Lower Suktel	29.84		D
3. Rengali Irrig. Sub-Project LBC-II	93.4		B
4. Subernarekha Irrig. Project (AI)	187.46		
5. Rangali Irrig. Project (RBC (0 km to 112 km))	192.877		A
<i>Medium</i>			
6. Telengir Irrigation	13.83		D
7. Manjore	10.43		B
8. Rukura	7.65		B
9. Dhauragoth	3.01		
Punjab			
<i>Major</i>			
1. Raise Lining of Bhakra Main Canal	.00		A
2. Kandi Canal Extension	29.53		D
3. Remodelling of Channels of UBDC System to meet the revised water allowance	70.00		A
<i>Medium</i>			
4. Modernisation and extension of Budshahi Canal on left side of river Ravi in District Gurdaspur.	2.751		A
Rajasthan			
<i>Major</i>			
1. Bisalpur DW Cum Irrigation	49.89		B
2. Extl. Renovation and Modernisation of IGNI-Stage-I	557.60 (AI)		A
<i>Medium</i>			
3. Bethali Irrigation	4.32		B
4. Bandi Sendra	4.09		D
5. Sukli Irrigation	4.22		B
6. Chauhi Irrigation	8.96		A
7. Chakan Medium Irrigation	8.38		B
8. Piplad Irrigation	4.70		D
9. Olwara Lift Irrigation	5.41		D
10. Gararda Irrigation	9.22		B
Tamil Nadu			
<i>Major</i>			
1. Mod. of Cauvery Delta Phase-I	70.00		D

1	2	3	4
<i>Medium</i>			
2. Irukkangudi Reservoir	4.21		D
Uttar Pradesh			
<i>Major</i>			
1. Bewar Feeder	9.80		B
2. I/C of Zamania Pump Canal	31.82		A
3. Raising of Meja Dam	17.88		B
4. Bansagar Canals	150.15		B
5. Rajghat Canals	138.66		B
6. Maudaha Dam	27.70		B
7. Lining of Channels	23.78		B
Bundelkhand			
8. Chittaurgarh Reservoir	11.83		D
9. Jurauli Pump Canal	46.45		D
10. Kanhar Irrigation	33.12		D

Note :

- A Projects with the Planning Commission for Investment clearance.
- B Projects found acceptable by the Advisory Committee subject to compliance of certain observations such as obtaining environmental and forest clearance etc.
- C Projects techno-economically examined by CWC and consideration deferred by Advisory Committee due to non-resolution of inter-State issues or non-clearance from environmental/forest angles etc.
- D Projects on which State Governments are required to sort out various techno-economic issues.

STATEMENT - II

Progress in construction of Narmada Sagar Project as on 31.3.1996.

1. Physical progress

The concreting work on the dam is in progress. As regards power house complex, the concreting of intake structure and erection of penstocks are in progress. The progress of earth work on main canal in the first 19 km reach is almost complete.

2. Financial progress

Years	Expenditure (Rs. in crore)	
1993-94	426.73	(cumulative upto March, 1994)
1994-95	126.33	
1995-96	96.78	